X21A1 SAFETY CHECKLIST]	BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
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Original signatures on file.

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	Valid Padlock Index a	nd log, no locks open				
	2. Exclusion Zone (EZ#	1) between the front end and the graphite tank in place and secure.				
	3. Lead wrapped around	graphite filter tank as per photo, and view port covered with leaded				
	glass.					
	4. Water cooled Berylliu	m window #1 and cross piece wrapped in lead.				
	5. Exclusion Zone (EZ #	•				
	Lead shielding covering					
	7. Lead shielding on Mo	nochromator #1 including leaded glass on view port.				
	8. Exclusion Zone (EZ #					
		(BS #1) in place and banded, as per photo.				
		front face of Monochromator tank $\#$ 2 as per photo, and lead glass				
	covering view port secure					
		4 4) in place and secure.(note: BS #2 inside EZ #4)				
		ew port wrapped in lead and covered with leaded glass.				
	13. Exclusion Zone (EZ #					
	14. Lead wrapped around	2 view ports secure (top of the mirror tank)				
	15. Exclusion Zone (EZ #					
	16. View ports(8) on Mir	ror Tank #2 covered in lead				
	17. Exclusion Zone (EZ #	•				
		th leaded glass, in place and secure.				
		d (BS #3) in place and banded, as per photo.				
	21. Photon Shutter wrapp	* *				
	22. Vacuum Bellows #8 v					
	24. Vacuum Ballawa #0.	ock cables locked in place in the X21A3 hutch				
	24. Vacuum Bellows #9 v	* *				
	25. Exclusion Zone (EZ #	•				
		• •				
		l (BS #4) in place and banded, as per photo.				
		th leaded glass, in place and secure.				
		nutch in place and secure, as per photo.				
	30. Beamstop in A21A1	naten in place and secure, as per photo.				
	Hear Swe	tem Checks				
	USCI Bys	tem checks				
	A. User interlock indicate	s all valves open				
	B User interlock indicates sufficient water flow.					
		s cooling of monochromator running.				
_	or eggs morrous	, cooling of monocination furning,				
	Charled by	Doto				
C	Checked by:	Date				
	OPCO:	Date:				
	~ · · · · · · · · · · · · · · · · · · ·					